

MILITARY SPECIFICATION

CONNECTOR, RECEPTACLE, ELECTRICAL, SERIES PULSE, TYPE UG-182A/U

This specification has been approved by the Department of Defense and is mandatory for use by the Departments of the Army, the Navy, and the Air Force.

1. SCOPE

1.1 This specification covers the detail requirements for type UG-182A/U series pulse electrical receptacle connector. The Military part number for type UG-182A/U connector is M3607/9-01.

2. APPLICABLE DOCUMENTS

2.1 The following documents, of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

SPECIFICATION

MILITARY

MIL-C-3607 - Connectors, Coaxial, Radiofrequency, Series Pulse, General Specification for.

DRAWINGS

BUREAU OF SHIPS

REA10035 - Spring.
REA10037 - Washer.
REA10471 - Collar.
REA10472 - Bushing.
REA19473 - Clamp Shell.
REA10474 - Washer.
REA10475 - Gasket.
REA10476 - Ferrule.
REA10517 - Coupling Nut.
REB10036 - Washer.
REB10082 - Contact.
REB10461 - Body.
REB10462 - Body.
REB10479 - Clamp.
REB10496 - Contact.
REB10513 - Insulator.

(Copies of specifications, standards, drawings, and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

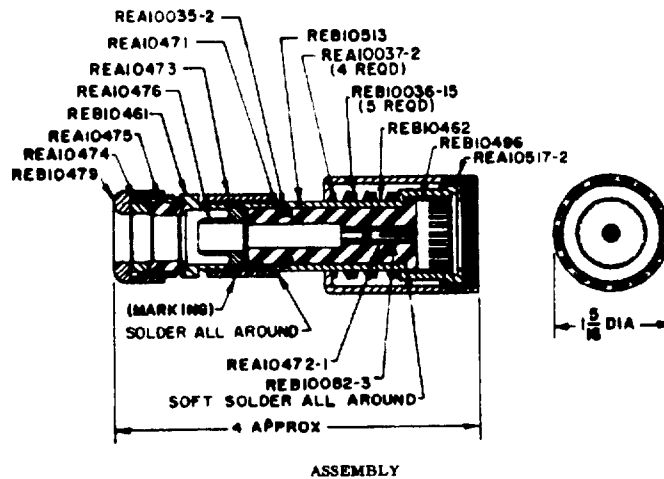
3. REQUIREMENTS

3.1 Requirements.- Requirements shall be in accordance with MIL-C-3607, and as specified herein.

3.2 Design and construction.- The electrical receptacle connector shall be of the design, construction, and physical dimension specified on figure 1.

4. QUALITY ASSURANCE PROVISIONS

4.1 Sampling and inspection.- Sampling and inspection shall be in accordance with MIL-C-3607, and as specified herein.



NOTES

- 1 All dimensions in inches
- 2 Tolerances are $\pm 1/64$ on fractions
- 3 Spring, REA10035-2, collar, REA10471, and bushing, REA10472-1, shall not be plated. Contacts, REB10082-3 and REB10496, shall have a silver plating of not less than 0.0002 inch thick. All other metal parts shall have a tin plating of not less than 0.0002 inch thick.

Figure 1 - Type UG-182A/U electrical receptacle connector
(Military Part No. M3607/9-01).

4.2 Leakage. - The leakage test is not applicable.

4.3 Dielectric withstanding voltage. - The test voltage for the dielectric-withstanding-voltage-test shall be 9,000 volts, root mean square.

5. PREPARATION FOR DELIVERY

5.1 Preparation for delivery shall be in accordance with MIL-C-3607.

6. NOTES

6.1 Notes. - In addition to the notes specified herein, the notes specified in MIL-C-3607 are applicable to this specification.

6.2 Intended use. - Electrical receptacle connector, type UG-182A/U, is designed for use with radiofrequency pulse cables.

6.3 This specification covers the design of electrical receptacle connector, type UG-182A/U, which was previously covered by Drawing REB49185.

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